Event

MPTS IJET
FRM 4501
T-45

Mission

CRUISE FORMATION SOLO
1.3 HOURS/X

ORM

FRM 4501

- **OPERATIONAL REQUIREMENTS / LIMITATIONS**
  - **CREW REST/ CREW DAY / WORK WEEK**
  - **WARM-UP ELIGIBILITY**
  - **PREVIOUS FLIGHT COMPLETE?**
  - **IP CURRENCY**
  - **READ AND INITIAL**

- **HUMAN FACTORS**
  - **LIFE STRESSORS / EXTERNAL FACTORS/ PERSONAL PROBLEMS**
  - **MEDICAL STATUS**
    - **CREW DAY**
    - **CREW REST**
    - **NOURISHMENT**
    - **HYDRATION**

- **HAZARDS AND CONTROLS**
  - **ROUTINE**
  - **WEATHER**
    - **CURRENT OBSERVATIONS AND FORECASTS**
    - **CROSSWINDS**
    - **FUEL CONSIDERATIONS**

TTO

FRM 4501

- **WHO WILL CALL A TTO?**

- **WHAT SITUATIONS WILL THE TTO BE CALLED?**
  - **SAFETY**
  - **CONFUSION**
  - **MISUNDERSTANDING**

- **IP RESPONSIBILITIES**
  - **RECOGNIZE THE NEED FOR A TTO**
  - **EXPLANATION / INSTRUCTION AS NECESSARY**
  - **DOCUMENTATION ON ATF**

- **WHEN AND HOW WILL TRAINING RESUME?**

SSR/DISCUSS ITEMS

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- **SPECIAL SYLLABUS REQUIRMENTS:**
  - **NONE**

- **PREREQUISITES:**
  - **FRM 4404**

- **DISCUSS ITEMS:**

  FRM 4501
  - **NATOPS/SOP/EP QOD**

SYLLABUS NOTES

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A. THIS EVENT WILL BE FLOWN FROM THE FRONT COCKPIT

B. ALL MANEUVERS EXCEPT LANDINGS WILL BE GRADED BY THE FLIGHT LEAD.

C. STUDENTS MUST FLY AT LEAST FOUR BREAKUP AND RENDEZVOUS, 2 X 250 AND 2 X 300.

ADMIN (CARD)

FRM 4501

- **A/C – ATC C/S – CREW**
- **BRIEF / WALK / TAKEOFF / LAND TIMES**
- **ATC CLEARANCE / DD-175**
- **FUEL PLAN/LADDER**
- **LINE / T/O / ABORT / RPM**
- **COMM PLAN**
- **NAV PLAN**

ADMIN

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- **LAUNCH**
  - **WEATHER / NOTAMS / TFR / BASH**
  - **PREFLIGHT / START / TAXI**
  - **ENROUTE PROCEDURES**
  - **RADALT USAGE**

- **RTB**
  - **RECOVERY**
  - **DIVERTS**

CONDUCT

FRM 4501

- **TIMS RESUME REVIEW**

- **PRACTICE:**
  - **CHECKLISTS/COMM/GROUND OPS**
  - **TAKEOFF/DEPARTURE/FLIGHT ADMIN**
  - **INDIVIDUAL/INTERVAL TAKEOFF**
  - **SECTION TAKEOFF**
  - **DEPARTURE**
  - **DESCENT/FIELD ENTRY**
  - **PARADE**
  - **TURNS/ECHELON**
  - **CROSSUNDER**

CONDUCT

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- **PRACTICE CONTINUED:**
  - **LEAD CHANGE**
  - **TACAN RENDEZVOUS**
  - **BREAKUP AND RENDEZVOUS**
  - **UNDERRUN**
  - **RUNNING RENDEZVOUS**
  - **CRUISE**
  - **SECTION APPR/MAP AS WING**
  - **SECTION BREAK**
  - **PRECAUTIONARY APPROACH**
  - **VFR LANDING PATTERN**
  - **LANDING/T+G**

BLOCK MIF

FRM 4501

CTS REF	MANEUVER	FRM4501
1	General Knowledge/Procedures	4+
2	Emergency Procedures	3+
3	Headwork/Situational Awareness	3+
4	Basic Airwork	4+
5	Mission Planning/Briefing/ Debriefing	4+
6	Communications	4+
7	Ground Operations	4+
8	Flight Admin	1+
30	Individual/Interval Takeoff	4
30	Section Takeoff	3
11	Departure	4
13	Descent/Field Entry	4
32	Parade	4+
32	Turns/Echelon	4+
32	Crossunder	3+
32	Lead Change	4+
32	TACAN Rendezvous	4+
32	Breakup and Rendezvous	4+
32	Underrun	4
32	Running Rendezvous	3
32	Cruise	3+
33	Section Approach/Missed Approach as Wing	4
32	Section Break	4+
21	Precautionary Approach	1
22	VFR Landing Pattern	1
23	Landing/Touch-and-Go	1+

Emergencies

FRM 4501

- **GROUND EMERGENCIES**
- **ABORT**
- **RWY DEP / GND EJECTION**
- **RADIO/ICS FAILURE**
- **LOSS OF NAVAIDS**
- **LOST PLANE/ LOST SIGHT**
- **SYSTEM FAILURES**
- **DISORIENTATION**
- **BIRD STRIKE/ MIDAIR**
- **SAR PROCEDURES**
- **EJECTION**
- **AIRCREW COORDINATION**
- **UNDERRUN/ REJOIN PROCEDURES**

STANDARD DEBRIEFING FORMAT

FRM 4501

- THE FLIGHT LEAD OR PILOT-IN-COMMAND IS RESPONSIBLE FOR ENSURING ALL FLIGHT OR CREWMEMBERS ARE THOUROUGHLY DEBRIEFED ON THE CONDUCT OF THE MISSION UTILIZING THE "S-P-B-E-MS-LL" FORMAT OUTLINED BELOW.

I. SAFETY
II. PLANNING
III. BRIEF
IV. EXECUTION
V. MISSION SUCCESS
VI. LESSONS LEARNED